



Government
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Publications
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june 1979
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junio 1979

The International Development Research Centre is a public corporation created by the Parliament of Canada in 1970 to support research designed to adapt science and technology to the needs of developing countries. The Centre's activity is concentrated in five sectors: agriculture, food and nutrition sciences; health sciences; information sciences; social sciences; and communications. IDRC is financed solely by the Government of Canada; its policies, however, are set by an international Board of Governors. The Centre's headquarters are in Ottawa, Canada. Regional offices are located in Africa, Asia, Latin America, and the Middle East.

Le Centre de recherches pour le développement international, société publique créée en 1970 par une loi du Parlement canadien, a pour mission d'appuyer des recherches visant à adapter la science et la technologie aux besoins des pays en voie de développement; il concentre son activité dans cinq secteurs: agriculture, alimentation et nutrition; information; santé; sciences sociales; et communications. Le CRDI est financé entièrement par le Gouvernement du Canada, mais c'est un Conseil des gouverneurs international qui en détermine l'orientation et les politiques. Établi à Ottawa (Canada), il a des bureaux régionaux en Afrique, en Asie, en Amérique latine et au Moyen-Orient.

El Centro Internacional de Investigaciones para el Desarrollo es una corporación pública creada en 1970 por el Parlamento de Canadá con el objeto de apoyar la investigación destinada a adaptar la ciencia y la tecnología a las necesidades de los países en desarrollo. Su actividad se concentra en cinco sectores: ciencias agrícolas, alimentos y nutrición; ciencias de la salud; ciencias de la información; publicaciones; y ciencias sociales y recursos humanos. El Centro es financiado exclusivamente por el Gobierno de Canadá; sin embargo, sus políticas son trazadas por un Consejo internacional de Gobernadores. La sede del Centro está en Ottawa, Canadá, y sus oficinas regionales en América Latina, África, Asia y el Medio Oriente.

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How to Order

Free publications are available on request from IDRC headquarters, or from any of the IDRC regional offices. Requests for priced publications should be directed to the appropriate sales agent listed below. Please note that orders addressed to IDRC must be accompanied by payment in full (Canadian exchange). Prices are subject to change without notice.

All monographs, including those no longer available in hardcopy, are available in microfiche editions at \$1.00 each. Orders should be directed to IDRC headquarters.

Comment obtenir les publications

Pour les publications gratuites, en faire la demande au siège du CRDI ou à l'un de ses bureaux régionaux. Pour les publications payantes, les commander directement à l'un des dépositaires ci-dessous, s'il y a lieu, ou au CRDI dans les autres cas. À noter que les commandes adressées au CRDI sont payables d'avance, en devises canadiennes. Les prix sont susceptibles de modifications sans préavis.

Toutes les monographies, y compris celles qui sont épuisées, sont disponibles en microfiches au prix de un dollar. Les commandes doivent être adressées au siège du CRDI.

Solicitudes

Las publicaciones de distribución gratuita pueden solicitarse a la sede del CIID, o a cualquiera de las oficinas regionales del Centro. Las demás publicaciones pueden solicitarse a cualquiera de los distribuidores de la lista que aparece enseguida. Aquellos pedidos que se hagan directamente al CIID deberán ir acompañados de la suma indicada (en moneda canadiense). Los precios están sujetos a cambios sin previo aviso.

Todas las monografías incluidas las ya agotadas, pueden obtenerse en edición de microficha al precio de un dolar. Los pedidos deben dirigirse a la sede principal del CIID.

SALES AGENT

DÉPOSITAIRES

DISTRIBUIDORES

Canada:

Renouf Publishing Co Ltd
61 Sparks Street
Ottawa, Ontario
K1P 5A5

USA:

UNIPUB
Box 433, Murray Hill Station
New York, N.Y. 10016

other:

autres pays:

otros países:

IDRC
Communications Division
P.O. Box 8500
Ottawa, Canada
K1G 3H9

Requests from Developing Countries

Special consideration is given to requests from libraries, institutions, researchers, and administrators in developing countries. A brief description of research and development activities aids IDRC in answering requests fully.

Requests from Africa, Asia, Latin America, and the Middle East should be directed to the nearest regional office.

Demandes émanant des pays en voie de développement

Il sera accordé une attention toute particulière aux demandes émanant de bibliothèques, d'établissements, de services officiels ou de chercheurs des pays en voie de développement. Les intéressés sont invités à donner toutes précisions utiles sur leurs activités.

N.B. En Afrique, en Asie et en Amérique latine, prière de passer par le bureau régional le plus proche.

Solicitudes de Países en Desarrollo

Los pedidos hechos por bibliotecas, instituciones, investigadores y administradores de países en vías de desarrollo, recibirán una atención especial. Una breve descripción de los proyectos de investigación o desarrollo ayudará al CIID a llenar los pedidos de manera completa.

Los pedidos provenientes de Africa, Asia, y América Latina deben enviarse a la oficina regional del CIID mas próxima.

Asia Asie Asia	IDRC Asia Regional Office Tanglin P.O. Box 101 Singapore 10, SINGAPORE
Latin America and Caribbean Antilles et Amérique latine América Latina y el Caribe	CIID Oficina Regional América Latina Apartado Aéreo 53016 Bogotá, D.E., COLOMBIA S.A.
Middle East and North Africa Moyen-Orient et Maghreb Oriente Medio	IDRC Middle East and North Africa Regional Office 5 Latif Mansour Street Heliopolis, Cairo, EGYPT
West Africa Afrique de l'Ouest Africa Occidental	CRDI Bureau régional pour l'Afrique de l'Ouest B.P. 11007 CD Annexe Dakar, SÉNÉGAL

ANIMAL SCIENCES
ZOOTECNIE
CIENCIAS PECUARIAS

Theileriosis: report of a workshop held in Nairobi, Kenya, 7-9 December 1976

J.B. Henson, M. Campbell, ed.

1977, 112p.

IDRC-086e

ISBN: 0-88936-124-X

\$10.00

Report of a workshop on theileriosis, a tick-borne parasitic animal disease occurring in Africa and the Middle East. This report examines the effects of the disease on cattle production, various means of effective disease control, and the incidence of disease in other species of Bovidae. It discusses research activities and the need for scientific cooperation and information dissemination. Recommendations are included.

CROPS AND CROPPING SYSTEMS
CULTURES ET SYSTÈMES CULTURAUX
CULTIVOS Y SISTEMAS DE CULTIVO

Triticale: proceedings of an international symposium, El Batan, Mexico, 1-3 October 1973

R. MacIntyre, M. Campbell, ed.

1974, 250p.

IDRC-024e

ISBN: 0-88936-028-6

\$12.50

Comprehensive review of the state-of-the-art of triticale breeding and important on-going research programs. Papers discuss research programs in various countries, including genetic experiments, nutritional studies, triticale diseases, agronomy and physiology, and major development problems and prospects.

The international exchange and testing of cassava germ plasm: proceedings of an interdisciplinary workshop held at CIAT, Palmira, Colombia, 4-6 February 1975

B. Nestel, R. MacIntyre, ed.

1975, 74p.

IDRC-049e

ISBN: 0-88936-062-6

\$6.00

Proposes guidelines for international testing, evaluation, and exchange of existing and new cassava plant varieties. Includes situation papers on current cassava production and research in 11 Asian and Latin American countries.

Cassava: the development of an international research network

B. Nestel, J. Cock

1976, 70p.

IDRC-059e

ISBN: 0-88936-076-6

\$5.00

Describes in detail the extensive program of research being carried out on cassava. The report focuses on the activities of the International Centre of Tropical Agriculture (CIAT) in Colombia, the International Institute of Tropical Agriculture (IITA) in Nigeria, and various other research groups.

The international exchange and testing of cassava germ plasm in Africa: proceedings of an interdisciplinary workshop held at IITA, Ibadan, Nigeria, 17-21 November 1975

E.R. Terry, R. MacIntyre, ed.

1976, 59p.

ISBN: 0-88936-082-0

IDRC-063e

\$3.50

Proceedings of a seminar on agricultural research on cassava germ plasm in Africa. Discusses plant breeding activities, examination of plant diseases, and their control. A bibliography is also included.

African cassava mosaic: report of an interdisciplinary workshop held at Muguga, Kenya, 19-22 February 1976

B.L. Nestel, ed.

1976, 48p.

ISBN: 0-88936-096-0

IDRC-071e

\$4.00

This workshop discusses the use and potential of cassava as a food and cash crop, cassava viruses, mosaic agents, screening and quarantine, symptoms and control of mosaic disease, and breeding for resistance.

Cassava bacterial blight: report of an interdisciplinary workshop held at IITA, Ibadan, Nigeria, 1-4 November 1976

G. Persley, E.R. Terry, R. MacIntyre, ed.

1977, 36p.

ISBN: 0-88936-143-6

IDRC-096e

\$2.00

Discusses the diagnosis and geographic distribution of cassava bacterial blight disease in Africa south of the Sahara, the influence of shade and intercropping on its incidence, plant breeding for disease resistance, and disease control efforts in Nigeria, Zaire, and Ghana. Includes bibliography and list of participants.

Nutritional standards and methods of evaluation for food legume breeders

J.H. Hulse, K.O. Rachie, L.W. Billingsley

1977, 100p.

ISBN: 0-88936-137-1

IDRC-TS7e

\$6.00

Describes nutritional quality standards in legume plant breeding, including recommendations for standards of food composition. Also discusses physical and chemical analysis, food analysis, and biological evaluation techniques.

Pulpa de café: composición, tecnología y utilización

J.E. Braham, R. Bressani, ed.

1978, 152p.

ISBN: 0-88936-172-X

IDRC-108s

Compilación de estudios de investigación agrícola sobre la pulpa del café con especial énfasis en América Central. Análisis químico de los componentes del subproducto, uso potencial y procesamiento, ensilaje, preservación de la pulpa por secado y deshidratación antes de ser usada como ración o como producto sustituto en la industria, y papel fisiológico de los componentes químicos de la pulpa en los animales.

Cassava harvesting and processing: proceedings of a workshop held at CIAT, Cali, Colombia, 24-28 April 1978

E.J. Weber, J.H. Cock, A. Chouinard, ed.

1978, 84p.

ISBN: 0-88936-188-6

IDRC-114e

\$5.00

Report of a workshop on cassava harvesting and processing. Discusses feed production; drying; food technology; effects of chip size and shape; starch extraction; the use of cassava flour in food preparation; and fermentation of cassava for fuel production. Includes list of participants.

Coffee pulp: composition, technology, and utilization

J.E. Braham, R. Bressani, ed.

1979, 95p.

ISBN: 0-88936-190-8

IDRC-108e

\$8.50

Gathers together some of the research studies undertaken in conjunction with the IDRC-supported by-product utilization (Guatemala) project on chemical, biological, and technological characteristics of coffee pulp as animal feed. Reviews the advances made in research on this by-product, points out ways of utilizing coffee pulp, problems and constraints to further use, and discusses areas requiring further research. Aspects of preservation, processing, and chemical and physiological suitability for animal feed are discussed. Bibliography and statistical data included.

Food legume improvement and development: proceedings of a workshop held at the University of Aleppo, Syria, 2-7 May 1978

G.C. Hawtin, G.J. Chancellor, ed.

1979 (in press)

ISBN: 0-88936-202-5

IDRC-126e

\$12.00

A synopsis of the current status of food legume production in West Asia and North Africa. Comprises material presented at the First Regional Food Legume Improvement and Development Workshop held at the University of Aleppo, Syria, from 2-7 May 1978. Discusses food legume production, crop diseases, pests and weeds, and cooperative approaches to food legume improvement at the national level. Makes recommendations for future priorities. Includes list of participants.

**ECONOMIC AND SOCIAL DEVELOPMENT
DÉVELOPPEMENT ÉCONOMIQUE ET SOCIAL
DESARROLLO ECONOMICO Y SOCIAL**

✓ **Catastrophe or new society? A Latin American world model**

A.O. Herrera et al.

1976, 108p.

ISBN: 0-88936-083-9

IDRC-064e

\$8.75

Examines problems facing the world today and seeks solutions based on the human capacity for change and creativity. The world model proposed encompasses contemporary society, economic growth, the physical limits of development, population, health, food production, labour, energy, technology, pollution, housing, urbanization, and education.

Catástrofe o nueva sociedad? Modelo mundial Latinoamericano

A.O. Herrera y otros

1978, 128p.

IDRC-064s

ISBN: 0-88936-145-2

El libro plantea la factibilidad de una sociedad igualitaria compatible con su medio ambiente, como alternativa a la catástrofe predicha por algunos teóricos de los países desarrollados. A cargo de un equipo de científicos de la Fundación Bariloche de Argentina bajo la dirección de Amilcar Herrera, el trabajo fué financiado por el CIID y sus resultados publicados por éste tanto en inglés como en español.

Cultural action and social change: the case of Jamaica. An essay in Caribbean cultural identity

R. Nettleford

1979, 239p.

IDRC-111e

ISBN: 0-88936-184-3

\$10.00

Deals with the cultural heritage and the cultural factors of social change in the Caribbean. Discusses the dilemma of cultural diversity and national unity, the legacy of slavery and colonialism and the role of the arts and mass media in national development.

EDUCATION

ÉDUCATION

EDUCACION

Study-service — a survey

D. Fussell, A. Quarmby

1974, 43p.

IDRC-037e

ISBN: 0-88936-042-1

\$3.50

An account of various study-service programs in developing countries, especially in Asia and Africa, that provide students with both useful education experiences and practical service to their communities. Explains the goals, methods, contributions, and problems of these study-service schemes.

Education research priorities: a collective view

1976, 26p.

IDRC-068e

ISBN: 0-88936-092-8

\$2.00

Assesses the current state of education research in developing countries, and suggests additional research support, so that more relevant education can be provided more efficiently to larger numbers of people despite severe resource constraints.

Project Impact: a progress report on Innotech Project Impact in the Philippines and Proyek Pamong in Indonesia

C. Sanger

1977, 56p.

IDRC-088e

ISBN: 0-88936-129-0

\$4.00

Report on a pilot project being conducted in the rural areas of the Philippines and Indonesia to improve the delivery system of primary education. Discusses the role of the project in community development and examines the use of programmed instruction, changes in the physical layout of schools, role of the teacher, and the workings of the tutorial system. Includes learning and cost-effectiveness comparisons.

Le projet IMPACT: rapport intérimaire sur les projets IMPACT (Philippines) et PAMONG (Indonésie) organisés par l'INNOTECH

C. Sanger

1979, 56p.

ISBN: 0-88936-156-8

IDRC-088f

\$4.00

Rapport sur un projet pilote lancé dans les régions rurales des Philippines et de l'Indonésie en vue d'améliorer le système d'éducation au niveau du primaire. Discute le rôle du projet dans le développement de la communauté et examine l'enseignement programmé, les changements à apporter à la disposition physique des établissements scolaires, le rôle de l'enseignant, et le fonctionnement du système des moniteurs et répétiteurs.

The world of literacy: policy, research, and action

M. Gayfer, B. Hall, J.R. Kidd, V. Shrivastava

1979 (in press)

ISBN: 0-88936-193-2

IDRC-117e

\$9.00

Analyzes and interprets a vast amount of literature about the various aspects of literacy. Sets out the factors in the achievement of literacy and discusses the application and implications of several guidelines for agencies and programs of adult literacy, elementary school systems, nonformal education, adult education, and research. Includes bibliography.

FAMILY PLANNING

ORTHOGENIE

PLANIFICACION FAMILIAR

Family planning in Colombia: changes in attitude and acceptance, 1964-69

A.B. Simmons, R. Cardona G.

1973, 30p.

ISBN: 0-88936-011-1

IDRC-009e

\$3.50

Evaluates the first temporal analysis of family planning adoption in a major Latin American city. Focuses on the changes in knowledge, attitudes, and practices of contraception in a population in Bogota, Colombia, and the spread of contraceptive knowledge and practice to rural areas.

Role of traditional birth attendants in family planning: proceedings of an international seminar held in Bangkok and Kuala Lumpur, 19-26 July 1974

J.Y. Peng, S. Keovichit, R. MacIntyre, ed.

1974, 107p.

ISBN: 0-88936-045-6

IDRC-039e

\$10.00

Papers analyze the characteristics of traditional birth attendants for Indonesia, Malaysia, the Philippines, and Thailand. The implementation, problems, and results of their family planning programs and their expected future role are also discussed.

Family planning in Mali

A. Laplante, F. Samaké, G.F. Brown

1975, 12p.

ISBN: 0-88936-056-1

IDRC-045e

\$2.00

Discusses the results and significance of the pilot project that led to the establishment of a national family planning program in Mali, integrated with its maternal and child health services.

Hysterographic studies of the "IUD-holding uterus": mode of action and evaluation of side effects

I. Kamal

1979 (in press)

ISBN: 0-88936-204-1

IDRC-127e

\$7.00

Intended as a reference for postgraduate students and practitioners in family planning. Studies the use of the IUD method of contraception. Presents selected hysterographic pictures taken during a 14-year study. Discusses the effectiveness of different types of IUD and examines the major side effects and their causes. Includes statistical data.

FERTILITY

FÉCONDITÉ

FECUNDIDAD

Hypofécondité et infécondité en Afrique

1977, 31p.

ISBN: 0-88936-110-X

IDRC-075f

\$1.50

Rapport de séminaire sur l'étude des facteurs contribuant à l'hypofécondité et à l'infécondité en Afrique. Analyse les facteurs culturels et démographiques, les aspects économiques, sociaux et psychologiques, et l'influence des maladies génétiques, des maladies infectieuses et des maladies vénériennes.

FISHERIES

PÊCHES

PESQUERIA

Stable tropical fish products: report on a workshop held in Bangkok, Thailand, 8-12 October 1974

M. Campbell

1975, 27p.

ISBN: 0-88936-051-2

IDRC-041e

\$5.00

Discusses programs for producing low-cost stable tropical fish products for human consumption from underutilized species. Includes 11 background papers on microfiche concerning this aspect of fish processing in the countries of South and Southeast Asia.

Tropical oyster culture: a selected bibliography

D.B. Quayle

1975, 40p.

ISBN: 0-88936-066-9

IDRC-052e

\$3.50

Bibliography compiled to aid current research on improved techniques for the cultivation of tropical oysters. Also included are 267 references.

Fish farming: an account of the aquaculture research program supported by the International Development Research Centre

B. Stanley, W.H. Allsopp, F.B. Davy

1978, 40p.

ISBN: 0-88936-139-8

IDRC-120e

Outlines the aquaculture research projects supported by IDRC. Describes the background and objectives of projects involving fish breeding, the use of hormones, fish culture methods, nutrition, diseases and parasites, shellfish, and freshwater fish culture.

Les fermes de la mer: description du programme de recherches aquicoles subventionné par le Centre de recherches pour le développement international

B. Stanley, W.H. Allsopp, F.B. Davy

1979 (sous presse)

IDRC-120f

ISBN: 0-88936-200-9

Étude sur les projets de recherche aquicole subventionnés par le Centre de recherches pour le développement international. Décrit l'histoire et les objectifs des projets concernant la reproduction du poisson et l'utilisation d'hormones; les méthodes de pisciculture; la nutrition animale; les maladies et les parasites; la conchyliculture; et la dulçaquiculture.

Biological synopsis of the manatee

K. Ronald, L.J. Selley, E.C. Amoroso

1978, 112p.

IDRC-TS13e

ISBN: 0-88936-168-1

\$8.50

All existing literature on the manatee is reviewed in this publication, and salient characteristics of the animal's biology, ethology, physiology, and ecology are highlighted. The accompanying bibliography represents the most complete record to date of literature on the manatee, including published works from as early as 1593 and as recent as 1977.

FOOD AND NUTRITION

ALIMENTATION ET NUTRITION

ALIMENTOS Y NUTRICION

Nutritive value of triticale protein

J.H. Hulse, E.M. Laing

1974, 183p. (casebound)

IDRC-021e

ISBN: 0-88936-025-1

\$20.00

Comprehensive review of the literature, relative to the biological value of triticale, and of the protein of its parents, wheat and rye. Aimed at plant scientists, nutritionists, food scientists, technologists, and others, particularly in developing countries, where triticale may be grown and eaten.

Food crop research for the semi-arid tropics: report on a workshop on the physiology and biochemistry of drought resistance and its application to breeding productive plant varieties, University of Saskatchewan, Saskatoon, Canada, 22-24 March 1973

M. Brandreth

1974, 16p.

IDRC-026e

ISBN: 0-88936-030-8

\$2.00

Reports on the physiology and biochemistry of drought resistance and its application to breeding productive plant varieties. Topics discussed include hormonal interaction, root/shoot translocation, morphology, growth-stage response to environmental factors, tissue stress resistance, and simulation modeling.

Interaction of agriculture with food science: proceedings of an interdisciplinary symposium, Singapore, 22-24 February 1974

R. MacIntyre, ed.

1974, 166p.

ISBN: 0-88936-038-3

IDRC-033e

\$10.00

Review of the Asian food and agriculture situation. Discusses crop improvement research on rice, crops of the semi-arid tropics, Asian root crops, and increased productivity through multiple cropping systems; quality control, postharvest rice protection, processing of cassava and food legumes, and food processing industries in Malaysia, India, and Singapore.

Directory of food science and technology in Southeast Asia

E.V. Araullo, compiler

1975, 267p.

ISBN: 0-88936-027-8

IDRC-023eR (revised edition)

\$10.00

Provides a list of 650 research projects concerning food science and technology in progress at 68 research institutes in South and Southeast Asia. The Directory is arranged by country, institute, and project name, followed by an extensive subject index, and a list of the research institutes' holdings of over 300 food-related journals.

Cowpeas: home preparation and use in West Africa

F.E. Dovlo, C.E. Williams, L. Zoaka

1976, 96p.

ISBN: 0-88936-071-5

IDRC-055e

\$6.00

Contains 55 cowpea recipes ranging from babyfood to crepes. Includes valuable information on the nutritional and economic value of cowpeas, techniques for their preparation, processing equipment and methods, and storage. Illustrated.

Transformation et utilisation des légumineuses alimentaires (application particulière aux pays en développement)

A. Siegel, B. Fawcett

1978, 63p.

ISBN: 0-88936-123-1

IDRC-TS1f

\$6.00

Étudie les tendances de la production alimentaire des légumineuses, la transformation domestique et commerciale, la préparation des aliments, la nouvelle technologie alimentaire et l'utilisation des sous-produits des légumineuses. Comprend une bibliographie et des données statistiques.

Sorghum and millet: food production and use. Report of a workshop held in Nairobi, Kenya, 4-7 July 1978

S. Vogel, M. Graham, ed.

1979, 64p.

ISBN: 0-88936-199-1

IDRC-123e

\$5.00

Report of a workshop on sorghum and millet food production and food processing, particularly in Nigeria, India, and East Africa. Discusses the methods of harvesting, drying, threshing, storage, milling, food enrichment, marketing, and preparation. Examines plant production potential, consumer acceptance testing, and the design and use of questionnaires. Includes list of participants.

Durabilité naturelle et préservation de cent bois tropicaux africains

Y. Fortin, J. Poliquin

1974, 143p.

IDRC-017f

ISBN: 0-88936-021-9

\$10.00

Rassemble, sous forme de tableaux synoptiques, toutes les études, publiées ou non, traitant de la durabilité naturelle et de la préservation des bois tropicaux africains. Comprend un index des espèces étudiées qui donne le nom botanique et le nom pilote de ces dernières ainsi qu'une bibliographie comprenant plus de 250 articles.

Natural durability and preservation of one hundred tropical African woods

Y. Fortin, J. Poliquin

1976, 131p.

IDRC-017e

ISBN: 0-88936-090-1

\$10.00

Assembles, in the form of synoptic charts, all available published or unpublished studies on the durability and artificial preservation of 100 of the most important African woods. Includes indexes to botanical and common names and a 250-item bibliography.

Trees, food, and people: land management in the tropics

J.G. Bene, H.W. Beall, A. Côté

1977, 52p.

IDRC-084e

ISBN: 0-88936-121-5

\$4.00

Describes forestry development in the tropical zone, ecological implications, and the need for improved forest management and overall land utilization. Discusses forest ecosystem, sequential cultivation system of growing trees and food crops, reforestation, exploitability of forest resources, forest production and research needs, agrisilviculture, and establishment of the International Council for Research in Agroforestry.

Les arbres dans l'aménagement des terres sous les tropiques: une solution à la faim

J.G. Bene, H.W. Beall, A. Côté

1978, 53p.

IDRC-084f

ISBN: 0-88936-169-X

\$4.00

Traite du développement forestier en zone tropicale, de l'écosystème forestier, des systèmes de culture successive, de l'exploitabilité des ressources forestières, de l'intégration de la foresterie, de l'agriculture et de l'élevage. Propose la fondation d'un Centre international de recherche en agroforesterie qui a été créé par la suite.

Trees for people: an account of the forestry research program supported by the International Development Research Centre

C. Sanger, G. Lessard, G. Poulsen
1977, 52p.
ISBN: 0-88936-139-8

IDRC-094e

Describes the background and objectives of projects involving afforestation, reforestation, and the use of shelterbelts in land reclamation; establishment of man-made forests and village wood lots; use of certain tree species in animal feed production; agricultural aspects of forest utilization; and the use of tropical timber as building material.

Des arbres et des hommes: description du programme de recherches forestières subventionné par le Centre de recherches pour le développement international

C. Sanger, G. Lessard, G. Poulsen
1978, 52p.
ISBN: 0-88936-161-4

IDRC-094f

Décrit l'histoire et les objectifs de projets de boisement, de reboisement, de récupération des terres grâce à la mise en place de brise-vent; traite aussi de l'établissement de forêts et de bois de village, de l'utilisation de diverses espèces d'arbres pour la production de fourrage, des aspects agricoles de l'exploitation des forêts et de l'utilisation de bois tropicaux comme matériaux de construction.

Man and tree in tropical Africa: three essays on the role of trees in the African environment

G. Poulsen
1978, 31p.
ISBN: 0-88936-154-1

IDRC-101e
\$2.00

A compilation of three essays on the ecological role of tree species and forests in Africa. Discusses forest production; utilization of forest products; shelterbelts and soil erosion; the impact of wood shortage on nutrition, particularly in the Sahel; and shifting cultivation and its effects on soil fertility.

HEALTH CARE DELIVERY SYSTÈME MÉDICO-SANITAIRE PRESTACION DE SERVICIOS DE SALUD

Health care in the People's Republic of China: a bibliography with abstracts

S. Akhtar
1975, 182p.
ISBN: 0-88936-044-8

IDRC-038e
\$15.00

A bibliography of 560 books issued outside of China from 1949 to 1974. Includes abstracts, primarily in English, and sources of information on Chinese documents, addresses of selected authors and institutions, and author and subject indexes.

Low-cost rural health care and health manpower training: an annotated bibliography with special emphasis on developing countries (Volume 1)

S. Akhtar

1975, 165p.

ISBN: 0-88936-051-0

IDRC-042e

\$10.00

Low-cost rural health care and health manpower training: an annotated bibliography with special emphasis on developing countries (Volume 2)

F.M. Delaney

1976, 182p.

ISBN: 0-88936-093-6

IDRC-069e

\$10.00

Low-cost rural health care and health manpower training: an annotated bibliography with special emphasis on developing countries (Volume 3)

F.M. Delaney

1977, 187p.

ISBN: 0-88936-138-X

IDRC-093e

\$10.00

Low-cost rural health care and health manpower training: an annotated bibliography with special emphasis on developing countries (Volume 4)

F.M. Delaney

1979, 186p.

ISBN: 0-88936-201-7

IDRC-125e

\$10.00

A series of annotated bibliographies published from the IDRC's computerized data base of nontraditional methods of delivering health care, and the training and use of auxiliary health workers in remote regions of developing countries.

Doctors and healers

A. Dorozynski

1975, 64p.

ISBN: 0-88936-052-9

IDRC-043e

\$5.00

Highlights some of the problems that have prevented attainment of affordable health services in developing countries — the monopoly of the medical profession, the inappropriateness of the Western model of health services, the "brain drain" — and examines some health care systems that have proven to be effective in developing countries.

Médecine sans médecins

A. Dorozynski

1975, 64p.

ISBN: 0-88936-054-5

IDRC-043f

\$5.00

Expose quelques-unes des difficultés qui ont entravé le développement de services de santé économiques dans les P.V.D. — la situation monopolistique de la profession médicale, l'incompatibilité de notre modèle de soins de santé avec les besoins de ces pays, la "fuite des cerveaux" — et examine plusieurs systèmes de soins médicaux qui ont été efficaces dans les pays en voie de développement.

Medicina sin doctores

A. Dorozynski

1976, 64p.

IDRC-043s

ISBN: 0-88936-087-1

Altamente polémico y controvertible, este librito de Alexandre Dorozynski plantea interrogantes sobre la conveniencia y efectividad de aplicar los modelos occidentales de servicios de salud en los países del Tercer Mundo, a la vez que describe novedosos ensayos alternativos a este patrón universal.

The delivery of health services in the People's Republic of China

P. Wilenski

1976, 60p.

IDRC-056e

ISBN: 0-88936-072-3

\$5.00

Presents an overview of China's medical care system, which places priority on preventive medicine, and which mobilizes the people themselves to undertake preventive work, utilizing traditional practitioners and remedies, and "barefoot" doctors. Describes how China's health education and services are integrated into the nation's political, economic, and social development.

Village health workers: proceedings of a workshop held at Shiraz, Iran, 6-13 March 1976

H.A. Ronaghy, Y. Mousseau-Gershman, A. Dorozynski, ed.

1976, 48p.

IDRC-074e

ISBN: 0-88936-106-1

\$4.00

Compilation of seminar papers on health services in rural areas of Iran, Nepal, the Philippines, Thailand, and Papua New Guinea, with emphasis on the training of auxiliary health workers.

Applied operational research: report of a seminar-workshop on applied research in public health, held at the University Centre for Health Sciences, Yaoundé, Cameroon, 6-11 December 1976

A. Dorozynski, ed.

1977, 27p.

IDRC-081e

ISBN: 0-88936-144-4

\$2.00

Describes the use of operational research in the field of public health services, especially in Cameroon. Discusses different stages in the organization of research, particularly project selection, design, implementation, and evaluation.

Recherche: opération, application — déroulement d'un séminaire-atelier sur la recherche opérationnelle dans le domaine de la santé publique, tenu au centre universitaire des sciences de la santé à Yaoundé, Cameroun, du 6 au 11 décembre 1976

A. Dorozynski, réd.

1977, 27p.

IDRC-081f

ISBN: 0-88936-118-5

\$2.00

Décrit les différentes étapes de l'organisation de la recherche, notamment l'évaluation, la sélection et l'élaboration des projets, leur méthodologie et leur mise en œuvre. Présente l'adoption des deux modèles de projet sur l'évaluation de la formulation et de l'utilisation du personnel médical et des médecins au Cameroun.

Rural health needs: report of a seminar held at Pokhara, Nepal, 6-12 October 1977

M. Shah, M.P. Shrestha, M. Campbell, ed.

1978, 64p.

ISBN: 0-88936-165-7

IDRC-105e

\$5.00

Report on health services and needs in rural areas of Nepal, including information on the Nepal Health Manpower Development Research Project. Examines survey methodology and data collection procedures, the application of research results, and the role of applied social research in health planning.

Travelers to the tropics: guidelines for physicians

R. Dupuis, J. Keystone, J. Losos, A. Meltzer

1978, 36p.

ISBN: 0-88936-166-5

IDRC-106e

\$1.50

Guidelines for general practitioners, covering some of the more likely illnesses that may be encountered by travelers to tropical countries. Concentration is on the prevention, diagnosis, and therapy for parasitic diseases. Listed are the more common parasites and drug doses for effective treatment.

INFORMATION

INFORMATION

INFORMACION

DEVSIS: the preliminary design of an international information system for the development sciences

DEVSIS Study Team

1976, 247p.

ISBN: 0-88936-084-7

IDRC-065e

\$10.00

Explores existing development information services and proposes establishment of an international cooperative network linking national information systems. The technical characteristics of this proposed network are described in detail, including discussion of the creation and operation of the DEVSIS bibliographic file, the organizational structure, support programs, facilities, and costs.

(Une édition française, "DEVSIS: esquisse d'un système international d'information pour les sciences du développement", est publiée par l'Organisation de Coopération et de Développement Economiques, Paris, France.)

(La edición española, "DEVSIS: diseño preliminar de un sistema internacional de información para las ciencias del desarrollo", ha sido publicada por las Naciones Unidas, New York.)

Investigaciones en comunicación para el desarrollo rural en América Latina: bibliografía

L.R. Beltrán S., G. Isaza V., F.R. Pardo

1976, 87p.

ISBN: 0-88936-111-8

IDRC-078s

Compilación especializada con el objeto de documentar la reunión de consulta convocada por el CIID sobre el tema en noviembre de 1976. El libro incluye una sección de autores corporativos con referencias domiciliarias a las fuentes institucionales.

Devindex Canada: Index to 1976 Canadian literature on economic and social development ● Index de la littérature canadienne de 1976 sur le développement économique et social

G. Morin-Labatut, ed./réd.

1977, 92p.

ISBN: 0-88936-150-9

IDRC-098e,f

\$6.00

Annotated bibliography of material published in Canada during 1976 on social and economic development in developing countries as part of the DEVSIS project.

Bibliographie annotée des publications parues au Canada en 1976 traitant du développement socio-économique dans les pays en voie de développement. Travail réalisé dans le cadre du projet DEVSIS.

Devindex 1977: Index to 1977 literature on economic and social development produced in Canada and the Federal Republic of Germany ● Index de la littérature sur le développement économique et social produite au Canada et en République fédérale d'Allemagne en 1977

G. Morin-Labatut, ed./réd.

1978, 200p.

ISBN: 0-88936-195-9

IDRC-119e,f

\$10.00

Annotated bibliography of material published in Canada and the Federal Republic of Germany during 1977 on economic and social development in developing countries as part of the DEVSIS project.

Bibliographie annotée des publications parues au Canada et en République fédérale d'Allemagne en 1977 traitant du développement socio-économique dans les pays en voie de développement. Travail réalisé dans le cadre du projet DEVSIS.

Sharing experience — DEVSIS: an information service for decision-makers

1977, 20p.

ISBN: 0-88936-136-3

IDRC-092e

Discusses the role of DEVSIS in the dissemination of knowledge acquired in the process of development. Describes duplication of development efforts arising from inadequacies in the information field, compatibility of DEVSIS with INIS and AGRIS, organization of information services, and the establishment of national information centres.

Le partage du savoir — DEVSIS: un service d'information pour les responsables de la prise de décisions

1977, 24p.

ISBN: 0-88936-141-X

IDRC-092f

Étudie le rôle de DEVSIS dans la diffusion des connaissances acquises au cours du processus de développement. Examine la duplication des efforts de développement causée par des imperfections dans le domaine de l'information; la compatibilité de DEVSIS avec INIS et AGRIS; l'organisation et les services d'information du réseau d'information proposé; et l'établissement de centres d'information au niveau national.

Compartiendo experiencias — DEVSIS: servicio de información para quienes toman decisiones

1977, 20p.

IDRC-092s

ISBN: 0-88936-151-7

Folleto explicativo del nuevo Sistema Mundial de Información sobre Ciencias del Desarrollo que actualmente se abre camino en las Naciones Unidas. Se destacan aquí los beneficios que los países en desarrollo pueden derivar de tal sistema, así como los requisitos y el modo de participación en él.

Optical character recognition: use of OCR techniques in decentralized data collection for bibliographic information systems

H.W. Groenewegen, J. Marshall

1976, 96p.

IDRC-TS3e

ISBN: 0-88936-097-9

\$6.00

Describes experiments that successfully demonstrate a technique for automatic reading of typed worksheets; and discusses the use of optical character recognition techniques in information systems such as INIS, AGRIS, and DEVSIS. Includes specifications for suitable equipment.

Evaluation of the CARIS pilot project

1977, 32p.

IDRC-TS5e

ISBN: 0-88936-117-7

\$2.00

Evaluation of the Current Agricultural Research Information System pilot project and its directory of research projects and centres in West Africa. Examines the effectiveness of data collecting and processing, information dissemination and services.

Évaluation du projet pilote CARIS

1977, 32p.

IDRC-TS5f

ISBN: 0-88936-132-0

\$2.00

Évaluation du projet pilote CARIS (un système d'information sur la recherche agricole en cours) et de son répertoire de projets de recherche et centres de recherche en Afrique occidentale. Étudie l'efficacité du rassemblement et du traitement des données, de la diffusion de l'information et des services d'information.

Projet de réseau d'information et de documentation scientifiques et techniques pour le Sahel: étude d'une stratégie documentaire en vue de la création d'un tel réseau pour le CILSS à l'Institut du Sahel

D. Sall, M.D. Catherinet

1978, 78p.

IDRC-112f

ISBN: 0-88936-185-1

\$2.50

Étude de viabilité sur la création d'un réseau d'information dans la région du Sahel. Traite des systèmes d'information existants; propose un cadre institutionnel pour ce réseau et pour les centres nationaux. Recommandations, données statistiques.

Information retrieval and library management: an interactive minicomputer system

F.A. Daneliuk

1978, 16p.

ISBN: 0-88936-170-3

IDRC-TS14e

\$2.00

Describes the background and feasibility study of the implementation of IDRC's bibliographic information system on a minicomputer. Discusses systems design and computer programming work done at IDRC. Bibliography included.

Earthquake history of Ethiopia and the horn of Africa

P. Guoin

1979 (in press)

ISBN: 0-88936-194-0

IDRC-118e

\$18.00

A history of Ethiopian earthquakes including annotated references to written material on telluric activity from the year 1400 to 1974. Contains explanatory notes, discussions, and conclusions drawn from the data.

POPULATION

DÉMOGRAPHIE

POBLACION

Housing Asia's millions: problems, policies, and prospects for low-cost housing in Southeast Asia

S.H.K. Yeh, A.A. Laquian, ed.

1979, 244p. (casebound)

ISBN: 0-88936-163-0

IDRC-104e

\$12.00

Comparative analysis of the Southeast Asia Low-Cost Housing project, an eight-country study of land provision and policies, housing design, administration, finance, urban and regional planning, and the problem of squatters and slum dwellers in providing low-cost housing. Discusses the objectives and methodology of the different country studies comparing their approaches and analyzing their successes and failures.

POSTHARVEST TECHNOLOGY

TECNOLOGIE POST-RÉCOLTE

TECNOLOGIA POSTCOSECHA

Rice: postharvest technology¹

E.V. Araullo, D.B. de Padua, M. Graham, ed.

1976, 394p.

ISBN: 0-88936-067-7

IDRC-053e

\$20.00

Comprehensive training manual provides recommendations for improving rice production, protection, processing, marketing, distribution, and use. Covers such topics as rice biology, standards for seed multiplication, inspection and grading, harvesting equipment and operations, drying and storage techniques, parboiling, milling, handling methods, agricultural management and cooperatives, and processing methods.

¹ Available in Asia from: Select Books Pte Ltd., 215, Tanglin Shopping Centre, 2/F, 19, Tanglin Road, Singapore 10.

La récolte retrouvée: pour une gestion intégrée des récoltes, de la moisson à la consommation

D. Spurgeon

1977, 36p.

ISBN: 0-88936-116-9

IDRC-062f

\$3.00

Propose un investissement accru dans la recherche sur la technologie post-récolte dans les pays en voie de développement puisque, dans nombre de pays tropicaux, les pertes dépassent souvent 30 p. 100. Décrit une approche systémique de la technologie post-récolte appliquée à un projet agricole au Nigeria qui a abouti à des résultats très probants.

RURAL DEVELOPMENT

DÉVELOPPEMENT RURAL

DESARROLLO RURAL

Integrated approach to local rural development: report of an interdisciplinary seminar, Makati, Philippines, 31 March – 3 April 1975

M. Campbell, ed.

1975, 52p.

ISBN: 0-88936-065-0

IDRC-051e

\$5.00

Discusses rural development projects, which utilize an integrated approach to agricultural cooperatives, nutrition, family planning, medical services, and education in Bangladesh, Colombia, Indonesia, Korea, Malaysia, the Philippines, and Thailand.

The sociology of food

R.K. Zagorin

1977, 12p.

ISBN: 0-88936-152-5

IDRC-099e

Address on the interaction between social structures and rural development, and the effects on food production in developing countries. Discusses the social implications of agricultural modernization for traditional cultures, as well as attitudes of the rural community toward social change.

Caqueza: living rural development

H. Zandstra, K. Swanberg, C. Zulberti, B. Nestel

1979 (in press) (casebound)

ISBN: 0-88936-167-3

IDRC-107e

\$15.00

Describes the "Caqueza Project" of the Instituto Colombiano Agropecuario (ICA) — a rural development project aimed at the development of a strategy for the transference of technical, economic, and social knowledge to small farmers in the Caqueza region of Colombia. The book traces the progress of the project through its first five years and shows how achievement of its objectives has resulted in increased crop and animal yields in the region.

Cáqueza: experiencias en desarrollo rural

H. Zandstra, K. Swanberg, C. Zulberti, B. Nestel

1979, 374p.

IDRC-107s

ISBN: 0-88936-171-1

El proyecto Cáqueza, como se conoce comúnmente, es un proyecto de desarrollo rural colombiano que durante sus primeros cinco años de existencia contó con apoyo del CIID. El detallado recuento que de esta etapa hacen los autores, permite apreciar la gama de situaciones con que debe enfrentarse un trabajo de esta naturaleza y la medida de flexibilidad necesaria para superarlas.

Beyond Manila: Philippine rural problems in perspective

G.T. Castillo

1979 (in press)

IDRC-116e

ISBN: 0-88936-191-6

\$18.00

Presents a detailed picture of the problems affecting the rural Philippines. Outlines patterns of employment and income sources; examines farms and farm labourers; the Philippine family and household; rural youth; education, development, and social structure; and technology transfer in agriculture and family planning. Includes bibliography.

RURAL-URBAN DYNAMICS

URBANISATION ET PROBLÈMES URBAINS

DINAMICA RURAL-URBANA

Social change and internal migration: a review of research findings from Africa, Asia, and Latin America¹

A. Simmons, S. Diaz-Briquets, A.A. Laquian

1977, 128p.

IDRC-TS6e

ISBN: 0-88936-133-9

\$10.00

Review of research pertaining to internal migration and social change in Africa, Asia, and Latin America. Examines the limitations of current research, and includes information on the determinants and consequences of migration, the characteristics and motivation of migrants, development policy issues, and related research implications.

Cambio social y migración interna: reseña de hallazgos investigativos en América Latina

A. Simmons, A.A. Laquian, S. Díaz-Briquets

1978, 71p.

IDRC-TS10s

ISBN: 0-88936-148-7

De la reseña general de la investigación sobre migraciones en los países del Tercer Mundo, realizada por A. Simmons, A.A. Laquian y S. Díaz-Briquets, el CIID publica ahora en español la parte correspondiente a Latinoamérica. El trabajo describe los diferentes enfoques sobre los movimientos de población en esta parte del mundo, señala los vacíos existentes en su estudio y sugiere orientación para la investigación futura.

¹ Available in Asia from: Select Books Pte Ltd., 215, Tanglin Shopping Centre, 2/F, 19, Tanglin Road, Singapore 10.

Évolution sociale et migration interne en Afrique

A. Simmons, S. Díaz-Briquets, A.A. Laquian

1978, 55p.

IDRC-TS11f

ISBN: 0-88936-160-6

\$3.50

Examen des recherches relatives à la migration interne et au changement social dans les pays en voie de développement d'Afrique. Analyse les limites et défauts de la recherche actuelle; traite des causes et conséquences de la migration, des caractéristiques et de la motivation des migrants, des problèmes que pose la migration en matière de politique de développement, et de l'incidence des recherches connexes.

SCIENCE AND TECHNOLOGY POLICY

POLITIQUE SCIENTIFIQUE ET TECHNIQUE

POLITICAS DE CIENCIA Y TECNOLOGIA

Centres d'étude des politiques technologiques en Afrique: rapport de la réunion CRDI/CEA sur la création de centres d'étude des politiques technologiques en Afrique, Ile-Ife, Nigeria, du 5 au 10 décembre 1973

1974, 43p.

IDRC-027f

ISBN: 0-88936-032-4

Analyse le rôle des politiques technologiques et de la planification dans le développement; traite des recherches sur les politiques technologiques en Europe, en Amérique latine et en Amérique du Nord; et présente des échanges de vues sur les politiques technologiques et la planification dans certains pays africains.

Andean pact technology policies

Junta del Acuerdo de Cartagena

1976, 58p.

IDRC-060e

ISBN: 0-88936-077-4

\$3.50

Describes basic policy decisions made by the Andean Pact countries to develop an integrated technology policy that fulfills specific economic and social needs, and to attain technological autonomy for the region. Covers topics such as foreign investment, technology transfer, trademarks, patents, licencing agreements, royalties, and industrial property.

Technology policy and economic development: a summary report on studies undertaken by the Board of the Cartagena Agreement for the Andean Pact Integration Process

Junta del Acuerdo de Cartagena

1976, 108p.

IDRC-061e

ISBN: 0-88936-078-2

\$6.00

Summarizes results of studies by the Board of the Cartagena Agreement on the relationships between technological development policy and economic and social progress. The report covers studies made in Europe, South America, and Asia on technology policy in various industries; the role of national institutions, finance, and taxation; and, in the Andean Pact countries, technology commercialization, consultancy needs and services, and the integration of technology and economic development.

Science and technology policy implementation in less-developed countries: the methodological guidelines for the STPI project

1976, 78p.

IDRC-067e

ISBN: 0-88936-091-X

\$5.00

Describes methodology for the Science and Technology Policy Instruments project, the principle objective of which is to devise a means whereby a country's investment in science and technology can be most effectively integrated with its industrial development goals.

Science and technology for development: main comparative report of the Science and Technology Policy Instruments project

F. Sagasti

1978, 112p.

IDRC-109e

ISBN: 0-88936-174-6

\$8.50

Report on the Science and Technology Policy Instruments (STPI) project on the implementation of science policy in developing countries. Studies the role of science and technology in economic development, particularly in the industrialization process; mechanisms of policy formulation, decision-making, and policy implementation; factors affecting technological change; and industrial administration.

Ciencia y tecnología para el desarrollo: informe comparativo central del Proyecto sobre Instrumentos de Política Científica y Tecnológica

F. Sagasti

1978, 224p.

IDRC-109s

ISBN: 0-88936-186-X

Informe del proyecto de investigación sobre Instrumentos de Política de Ciencia y Tecnológica (STPI) acerca de la implantación de una política científica en países en desarrollo. Estudia el papel de la ciencia y tecnología en el desarrollo económico, particularmente en el proceso de industrialización; mecanismos de formulación de política, toma de decisiones y ejecución de políticas; factores que afectan el cambio tecnológico; y administración industrial.

SOIL SCIENCES

PÉDOLOGIE

SUELOS

Computer simulation of soil-water dynamics: a compendium of recent work

D. Hillel

1977, 215p. (casebound)

IDRC-082e

ISBN: 0-88936-119-3

\$10.00

Describes the formulation of a number of models simulating soil physical processes and illustrates the results obtainable from them. Addressed mainly to problem-oriented research workers concerned with agricultural and environmental aspects of the soil system. Physically based mathematical simulation techniques allow researchers to presearch the possible effects of controllable variables on the soil-water-plant system before embarking on a full-scale research program.

VECTOR CONTROL

LUTTE CONTRE LES VECTEURS

CONTROL DE VECTORES

Tsetse control: the role of pathogens, parasites, and predators (Report of a scientific advisory group convened at the Memorial University of Newfoundland, St. John's, Canada, 25-29 March 1974)

1974, 23p.

IDRC-034e

ISBN: 0-88936-039-1

\$2.00

Includes discussion of the current status of tsetse control; tsetse ecology, physiology, and behaviour; biological control agents — parasites, pathogens, and predators — and techniques for their mass production; and research and training needs.

La lutte contre les tsé-tsé: le rôle des pathogènes, parasites et prédateurs (Rapport d'un groupe scientifique consultatif réuni à l'université Memorial de Terre-Neuve, St. Jean, Canada, du 25-29 mars 1974)

1974, 24p.

IDRC-034f

ISBN: 0-88936-046-4

\$2.00

Traite de la lutte menée actuellement contre la tsé-tsé, de son écologie, de sa physiologie, et de son comportement. Recommande l'orientation des recherches vers l'utilisation d'agents biologiques — parasites, pathogènes et prédateurs — et leur production massive.

Tsetse: the future for biological methods in integrated control

M. Laird, ed.

1977, 220p.

IDRC-077e

ISBN: 0-88936-109-6

\$10.00

Describes tsetse fly control in Africa south of the Sahara. Discusses the systematics of the genus *Glossina* and the use of biological methods and insecticides in integrated approaches to trypanosomiasis vector control.

WATER SUPPLY AND SANITATION

ALIMENTATION EN EAU, HYGIÈNE

ET ACTION SANITAIRE

SUMINISTRO DE AGUA Y SANEAMIENTO

Hidden waters in arid lands: report of a workshop on groundwater research needs in arid and semi-arid zones, held in Paris, France, 25 November 1974

L.A. Heindl, ed.

1975, 18p.

IDRC-057e

ISBN: 0-88936-073-1

\$2.00

Analyzes the availability of groundwater in arid and semi-arid zones, groundwater sources and quality, the environmental and cultural impact of groundwater development, and means for predicting and coping with drought. Three working documents are included on microfiche.

Low-cost technology options for sanitation

W. Rybczynski, C. Polprasert, M. McGarry

1978, 184p.

IDRC-102e

ISBN: 0-88936-155-X

\$10.00

An annotated bibliography and technical review of sanitary systems in developing countries. Also included are a key-word index, author index, author's corporate affiliation index, a glossary of terms used, and illustrations.

Biogas technology in the Third World: a multidisciplinary review

A. Barnett, L. Pyle, S.K. Subramanian

1978, 132p.

IDRC-103e

ISBN: 0-88936-162-2

\$10.00

Describes biogas generation in developing countries and the technical aspects of biomass and organic waste fermentation. Discusses other energy sources available to communities; feasibility of small-scale digestors for the production of fuel and fertilizer; and social implications and economic aspects of biogas technology. Includes case studies from Asia.

Compost, fertilizer, and biogas production from human and farm wastes in the People's Republic of China

M.G. McGarry, J. Stainforth, ed.

1978, 94p.

IDRC-TS8e

ISBN: 0-88936-140-1

\$6.00

Discusses various methods of hygienic waste disposal, composting, parasite elimination; building materials and construction techniques for village sanitation equipment; and fuel-producing biogas plants. Includes an evaluation of results.

GENERAL INTEREST

DIVERS

VARIOS

Agriculture, Food and Nutrition Sciences Division: the first five years

1977, 49p.

IDRC-089e

ISBN: 0-88936-130-4

Describes the first five years of operation of the Agriculture, Food and Nutrition Sciences Division of the IDRC. Includes examples of research projects undertaken in developing countries.

IDRC Annual report ● Rapport annuel du CRDI 1977-1978

1978, 84p.

IDRC-003/78e,f

ISBN: 0-88936-175-4

Canadian development assistance: a selected bibliography 1950-77

S.B. Seward, H. Janssen

1978, 62p.

IDRC-113e

ISBN: 0-88936-187-8

\$3.00

Bibliography on Canada's foreign aid programs and policies from 1950 to 1977. Includes author and institutional indexes.

The cost of foreign aid to developing countries

N. Kappagoda

1978, 15p.

IDRC-TS12e

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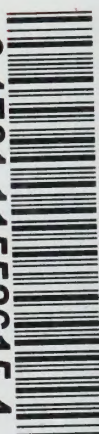
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